



Docket No. 215931US2PC  
IN RE APPLICATION OF: Tsutomu SUHARA, et al.  
SERIAL NO: 09/926,500  
FILED: November 13, 2001  
FOR: COMMUTATOR MOTOR

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:  
Transmitted herewith is an amendment in the above-identified application.

- ☐ No additional fee is required  
☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.  
☒ Additional documents filed herewith: Marked-Up Copy

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The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	4	MINUS	20	0	x \$18 =	\$0.00
INDEPENDENT	2	MINUS	3	0	x \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

- ☐ A check in the amount of **\$0.00** is attached.
- ☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters  
Registration No. 28,870



22850

Customer Number 22850  
Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/01)  
I:\ATTY\MM\KONGKHAM\215931.AM.COVER..DOC

Michael E. Monaco  
Registration No. 52,041



Docket No. 215931US2PCT  
IN RE APPLICATION OF: Tsutomu MATSUHARA, et al.  
SERIAL NO: 09/926,500  
FILED: November 13, 2001  
FOR: COMMUTATOR MOTOR

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

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IN RE APPLICATION OF

TSUTOMU NATSUHARA, ET AL.

SERIAL NO: 09/926,500

FILED: NOVEMBER 13, 2001

FOR: COMMUTATOR MOTOR

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: EXAMINER: ADDISON, K. B.

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: GROUP ART UNIT: 2834

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AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In response to the Office Action dated December 19, 2002, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend Claims 1 and 4 as shown below. A marked-up copy of amended Claims 1 and 4 is attached hereto.

1. (Amended) A commutator motor comprising:

an iron core having a center and a plurality of open-ended teeth extending radially from the center to form a plurality of slots between the open-ended teeth, each slot configured for coil winding;

a rotation shaft inserted in a center of said iron core

a pair of first and second commutators mounted on said rotation shaft at opposite ends of said iron core;

a first coil wire connected to the first commutator, and wound on bottoms of the slots of said iron core to provide an inner coil;